

IN THE CLAIMS:

Please cancel claims 10-26, amend claims 1, 2, 7 and 8, and add new claims 27-44 as follows:

1. (Amended) A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to said disk-reading position along a first straight line path in a plane of said disk; and

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning outside said disk storage and playback device to said disk-reading position within said disk storage and playback device; and

means for displacing said magazine to bring [a] ~~said~~ selected one of said disks into said plane.

2. (Amended) A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks, each of said plurality of

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disks being received in a subframe received in said magazine such that said plurality of disks ^{are} is aligned in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to said disk-reading position along a straight line path in a plane of said disk;

second disk conveying means for transporting a disk not stored in said magazine to said disk-reading position;

means for displacing said magazine to bring [a] said selected one of said disks into said plane;

[a plurality of subframes, each of said subframes including means for receiving a single one of said disks;

said magazine including means for receiving a plurality of said subframes;]
and

a main frame for receiving a single one of said subframes;

said main frame being movably carried by said chassis for movement between a first position, whereat a disk carried therein is in said disk-reading position, and a second position whereat access is provided to a subframe received therein such that a disk may be one of inserted therein and removed therefrom.

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7. (Amended) A disk storage and playback device comprising:

a chassis;

an n quantity of subframes, each of said subframes being adapted to receive a single disk;

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Cont 15 a magazine, [nondetachable] nondetachably, carried by said chassis, said magazine being adapted to receive n quantity of said subframes;

a mainframe;

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Cont x n-1 of said subframes being received in said magazine when one of [a] said subframes is received in said mainframe;

a disk reader adapted to read one of said disks when said disk is in a disk-reading position;

said mainframe being adapted to receive a single one of said subframes, said mainframe being movably carried by said chassis for movement between a first position, whereat a disk carried therein is in said disk-reading position, and a second position whereat access is provided to a subframe received therein such that a disk may be inserted therein; and

disk conveying means for transporting a selected one of said subframes from said magazine to said main frame when said main frame is in said first position.

8. (Amended) A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis;

said magazine including a plurality of disk storage locations therein;

a disk reader;

means for displacing said magazine to align a desired one of said disk storage locations at a desired level;

first disk transport means for moving a disk in said desired one of said disk storage locations in a first substantially straight line from said magazine to said disk reader;

said first disk transport means being further effective for moving said disk from said disk reader back to its respective disk storage location;

second disk transport means for moving a disk in a second substantially straight line from outside said disk storage and playback device to said disk reader; and

means, effective without requiring reading of said disk, for moving said disk from said second disk transport means to said first disk transport means, whereby said first disk transport means is enabled to deposit said disk, originating outside said device, in an empty one of said disk storage locations, thereby permitting stocking said magazine with disks.

27. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to a position outside said disk storage and playback device along a first straight line path in a plane of said disk;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning outside said disk storage and playback device to said disk-reading position within said disk storage and playback device; and

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means for displacing said magazine to bring said selected one of said disks into said plane.

28. The disk storage and playback device of claim 27, wherein said second disk conveying means includes means for transporting disks in said plane, along said second straight line path which is an extension of said first straight line path of said first disk conveying means.

29. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to said disk-reading position along a first straight line path in a plane of said disk;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning outside said disk storage and playback device to said magazine within said disk storage and playback device; and

means for displacing said magazine to bring said selected one of said disks into said plane.

30. The disk storage and playback device of claim 29, wherein said second disk conveying means includes means for transporting disks in said plane, along said

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second straight line path which is an extension of said first straight line path of said first disk conveying means.

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31. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

a first position inside said disk storage and playback device;

first disk conveying means for transporting a selected one of said disks from said magazine to said first position along a first straight line path in a plane of said disk; and

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning outside said disk storage and playback device to said first position within said disk storage and playback device;

means for moving said one of said disks from said first position to said disk-reading position; and

means for displacing said magazine to bring said selected one of said disks into said plane.

32. The disk storage and playback device of claim 31, wherein said second disk conveying means includes means for transporting disks in said plane, along said second straight line path which is an extension of said first straight line path of said first disk conveying means.

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33. A disk storage and playback device comprising:
a chassis;
a magazine nondetachably carried by said chassis, said magazine including
means for receiving a plurality of substantially planar disks in a concentric array;
a disk reader for reading one of said disks when said one of said disks is in
a disk-reading position;
a first position inside said disk storage and playback device;
first disk conveying means for transporting a selected one of said disks from
said magazine to a position outside said disk storage and playback device along a
first straight line path in a plane of said disk;
second disk conveying means for transporting a disk not stored in said
magazine in a second straight line path beginning outside said disk storage and
playback device to said first position within said disk storage and playback device;
means for moving said disk not stored in said magazine from said first
position to said disk-reading position; and
means for displacing said magazine to bring said selected one of said disks
into said plane.

34. The disk storage and playback device of claim 33, wherein said second
disk conveying means includes means for transporting disks in said plane, along said
second straight line path which is an extension of said first straight line path of said
first disk conveying means.

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35. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including

means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in

a disk-reading position;

a first position inside said disk storage and playback device;

first disk conveying means for transporting a selected one of said disks from
said magazine to said first position along a first straight line path in a plane of said
disk; and

second disk conveying means for transporting a disk not stored in said
magazine in a second straight line path in said plane beginning outside said disk
storage and playback device to said magazine within said disk storage and playback
device;

means for moving said selected one of said disks from said first position to
said disk-reading position; and

means for displacing said magazine to bring said selected one of said disks
into said plane.

36. The disk storage and playback device of claim 35, wherein said second
disk conveying means includes means for transporting disks in said plane, along said
second straight line path which is an extension of said first straight line path of said
first disk conveying means.

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37. A disk storage and playback device comprising:
a chassis;
a magazine nondetachably carried by said chassis, said magazine including
means for receiving a plurality of substantially planar disks, each of said plurality of
disks being received in a subframe received in said magazine, such that said plurality
of disks is aligned in a concentric array;
a disk reader for reading one of said disks when said one of said disks is in
a disk-reading position;
first disk conveying means for transporting a selected one of said disks from
said magazine to a first position, inside said disk storage and playback device, along
a straight line path in a plane of said disk;
second disk conveying means for transporting a disk not stored in said
magazine to said first position;
means for displacing said magazine to bring said selected one of said disks
into said plane;
a main frame for receiving a single one of said subframes;
said main frame being movably carried by said chassis for movement
between said first position and a second position, whereat access is provided to a
subframe received therein such that a disk may be one of inserted therein and
removed therefrom; and
means for moving said disk from said first position to said disk-reading
position.

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38. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks, each of said plurality of disks being received in a subframe received in said magazine, such that said plurality of disks is aligned in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to said disk-reading position along a straight line path in a plane of said disk;

second disk conveying means for transporting a disk not stored in said magazine to said disk-reading position;

means for displacing said magazine to bring said selected one of said disks into said plane;

a main frame for receiving a single one of said subframes;

said main frame being movably carried by said chassis for movement between a first position, and a second position whereat access is provided to a subframe received therein such that a disk may be one of inserted therein and removed therefrom; and

means for moving said disk from said first position to said disk-reading position.

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39. A disk storage and playback device according to claim 38, wherein said first disk conveying means comprises means for removing a selected one of said subframes from said magazine and for inserting the same into said main frame.

40. A disk storage and playback device comprising:

a chassis;

a plurality of subframes, each of said subframes being adapted to receive a single one of said disks;

5 a magazine, nondetachably carried by said chassis, said magazine being adapted to receive a plurality of said subframes;

a disk reader adapted to read one of said disks when said disk is in a disk-reading position;

a main frame adapted to receive a single one of said subframes;

said mainframe being movably carried by said chassis for movement between a first position inside said disk storage and playback device, and a second position whereat access is provided to a subframe received therein such that a disk may be inserted therein or removed therefrom;

disk conveying means for transporting a selected one of said subframes from said magazine to said main frame when said main frame is in said first position; and

means for separating said main frame and a subframe received therein from a disk received therein, whereby said disk may be read by said disk reader.

41. The disk storage and playback device of claim 40, wherein said separating means comprises means for supporting said disk in said disk-reading position and

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means for displacing said main frame and said subframe received therein to a position nonobstructive to said disk reader.

42. A disk storage and playback device comprising:

a chassis;

an n quantity of subframes, each of said subframes being adapted to receive a single disk;

a magazine, nondetachably carried by said chassis, said magazine being adapted to receive n quantity of said subframes;

a mainframe;

n-1 of said subframes being received in said magazine when one of a subframes is received in said mainframe;

a disk reader adapted to read one of said disks when said disk is in a disk-reading position;

said mainframe being adapted to receive a single one of said subframes, said mainframe being movably carried by said chassis for movement between a first position at least partly inside said disk storage and playback device, and a second position whereat access is provided to a subframe received therein such that a disk may be inserted therein;

means for moving said disk from said mainframe in said first position to said disk-reading position; and

disk conveying means for transporting a selected one of said subframes from said magazine to said main frame when said main frame is in said first position.

43. A disk storage and playback device comprising:

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a chassis:

a magazine nondetachably carried by said chassis;

said magazine including a plurality of disk storage locations therein;

a disk reader;

means for displacing said magazine to align a desired one of said disk storage locations at a desired level;

first disk transport means for moving a disk in said desired one of said disk storage locations in a first substantially straight line from said magazine to said disk reader;

12 said first disk transport means being further effective for moving said disk
13 from said disk reader back to its respective disk storage location in said first
substantially straight line;

second disk transport means for moving a disk in a second substantially straight line from outside said disk storage and playback device to said disk reader;
and

means, effective without requiring reading of said disk, for moving said disk from said second disk transport means to said first disk transport means, whereby said first disk transport means is enabled to deposit said disk, originating outside said device, in an empty one of said disk storage locations, thereby permitting stocking said magazine with disks.

44. Apparatus according to claim 43, further comprising:

means effective without requiring reading of said disk, for moving said disk from said first transport means to said second transport means; and